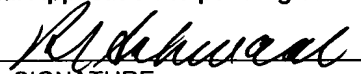




JC04 Rec'd PCT/P 13 OCT 2005

FORM PTO-1390 (Modified)  
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  
(REV 12-2004)

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|--|---|--|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br><b>016906-0409</b>                   |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2003/012496   | INTERNATIONAL FILING DATE<br>11/10/2003 | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br>10/543,105 |
| TITLE OF INVENTION<br>HEAT EXCHANGER, PARTICULARLY EXHAUST GAS COOLER FOR MOTOR VEHICLES   |   | PRIORITY DATE CLAIMED<br>1/24/2003                               |
| APPLICANT(S) FOR DO/EO/US<br>Jens RICHTER  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <ol style="list-style-type: none"><li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li><li>4. <input type="checkbox"/> The US has been elected (Article 31).</li><li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<ul style="list-style-type: none"><li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li><li><input type="checkbox"/> has been communicated by the International Bureau.</li><li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ul></li><li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<ul style="list-style-type: none"><li><input type="checkbox"/> is attached hereto.</li><li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li></ul></li><li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ul style="list-style-type: none"><li><input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</li><li><input type="checkbox"/> have been communicated by the International Bureau.</li><li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li><input type="checkbox"/> have not been made and will not be made.</li></ul></li><li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li><li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li></ol> |   |  |
| Items 11 to 20 below concern other document(s) or information included:  |   |  |
| <ol style="list-style-type: none"><li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li><li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li><li>13. <input type="checkbox"/> A preliminary amendment.</li><li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li><li>15. <input type="checkbox"/> A substitute specification.</li><li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li><li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825</li><li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li><li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li><li>20. <input checked="" type="checkbox"/> Other items or information: Power of Attorney or Authorization of Agent by Assignee and Statement Under 37 C.F.R. 3.73(b).</li></ol>   |   |  |

|  |              |   |             |  |                        |
|--|--------------|---|-------------|--|------------------------|
| U.S. APPLICATION NO. (If known, see 37 CFR. 1.5)<br><b>10/543,105</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2003/012496</b>                     |             | ATTORNEY'S DOCKET NUMBER<br><b>016906-0409</b> |                        |
| The following fees have been submitted:  |              |   |             |  |                        |
| 21. <input type="checkbox"/> Basic national fee  |              |   |             | <b>\$300</b>                                   | \$ 0.00                |
| 22. <input type="checkbox"/> Examination fee   |              |   |             |  |                        |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)   |              |   |             | \$100  | \$ 0.00                |
| All other situations   |              |   |             | \$200  |                        |
| 23. <input type="checkbox"/> Search fee  |              |   |             |  |                        |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority  |              |   |             | \$100  |                        |
| International Search Report prepared and provided to the Office  |              |   |             | \$400  |                        |
| All other situations   |              |   |             | \$500  | \$ 0.00                |
| <b>TOTAL OF ABOVE 21, 22 and 23 =</b>  |              |   |             |  | \$ 0.00                |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.  |              |   |             |  |                        |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) |             | RATE   |                        |
| 15   | - 100 = 0    | /50 = 0   |             | x \$250.00                                     | \$ 0.00                |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))  |              |   |             |  | \$ 0.00                |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE        |  | \$                     |
| Total Claims   | 10 - 20 = 0  |   | x \$ 50.00  |  | \$ 0.00                |
| Independent Claims   | 1 - 3 = 0    |   | x \$ 200.00 |  | \$ 0.00                |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$ 360.00 |  | \$                     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |             |  | \$ 0.00                |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |              |   |             |  | \$ 0.00                |
| <b>SUBTOTAL =</b>  |              |   |             |  | \$ 0.00                |
| Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  |              |   |             |  | \$                     |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |             |  | \$ 0.00                |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property   |              |   |             |  | \$                     |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |             |  | \$ 0.00                |
|  |              |   |             |  | Amount to be refunded: |
|  |              |   |             |  | charged:               |
| a. <input type="checkbox"/> A check in the amount of \$ 0.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charge to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.<br><b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b> |              |   |             |  |                        |
| SEND ALL CORRESPONDENCE TO:  |              |   |             |  |                        |
| Foley & Lardner LLP<br>Customer Number: 22428  |              |   |             |  |                        |
| <br>SIGNATURE<br><b>Richard L. Schwaab</b><br>NAME<br><b>25,479</b><br>REGISTRATION NUMBER   |              |   |             |  |                        |